TNFSF13B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TNFSF13B, Polyclonal Antibody
Full Product Name	TNFSF13B, NT (TNFSF13B, BAFF, BLYS, TALL1, TNFSF20, ZTNF4, Tumor necrosis factor ligand superfamily member 13B, B lymphocyte stimulator, B Cell-activating factor, Dendritic cell-derived TNF-like molecule, TNF-and APOL-related leukocyte expressed ligand 1
Product Gene Name	anti-TNFSF13B antibody
Product Synonym Names	TNFSF13B; BAFF; BLYS; TALL1; TNFSF20; ZTNF4; Tumor necrosis factor ligand superfamily member 13B; B lymphocyte stimulator; B-cell-activating factor; Dendritic cell-derived TNF-like molecule; TNF-and APOL-related leukocyte expressed ligand 1; CD257; Tumor necrosis factor ligand superfamily member 13b; membrane form; Tumor necrosis factor ligand superfamily member 13b; soluble form
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	17,578 Da
OMIM	603969
3D Structure	ModBase 3D Structure for Q9Y275
Immunogen	TNFSF13B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-44 amino acids from the N-terminal region of human TNFSF13B.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-TNFSF13B antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-TNFSF13B antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-TNFSF13B antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-TNFSF13B antibody	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptors TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFFR. This cytokine is expressed in B cell lineage cells, and acts as a potent B cell activator. It has been also shown to play an important role in the proliferation and differentiation of B cells.

Product References and Citations for anti-TNFSF13B antibody	Zhang, W., et al. Proc. Natl. Acad. Sci. U.S.A. 107(44):18956-18960(2010). Molica, S., et al. Eur. J. Haematol. 85(4):314-320(2010). Liu, J.Q., et al. Zhongguo Shi Yan Xue Ye Xue Za Zhi 18(3):690-693(2010). Onda, K., et al. Int. J. Hematol. 91(5):808-819(2010). Hayashi, E.A., et al. J. Immunol. 184(9):4662-4672(2010).
Other Notes	Small volumes of anti-TNFSF13B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TNFSF13B purchase	MBS6357029 is an antibody targeting TNFSF13B. Also known as TNFSF13B, NT (TNFSF13B, BAFF, BLYS, TALL1, TNFSF20, ZTNF4, Tumor necrosis factor ligand superfamily member 13B, B lymphocyte stimulator, B Cell-activating factor, Dendritic cell-derived TNF-like molecule, TNF-and APOL-related leukocyte expressed ligand 1. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNFSF13B. It may not necessarily be applicable to this product.

NCBI GI #	5730097
NCBI GeneID	10673
NCBI Accession #	NP_006564.1
NCBI Related Accession #	NP_001139117.1
UniProt Primary Accession #	Q9Y275
UniProt Secondary Accession #	Q6FHD6; Q7Z5J2; E0ADT7
UniProt Related Accession #	Q9Y275
GenBank Nucleotide #	NM_006573.4
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 13B isoform 1
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 13b
NCBI Official Symbol	TNFSF13B
NCBI Official Synonym Symbols	DTL; BAFF; BLYS; CD257; TALL1; THANK; ZTNF4; TALL-1; TNFSF20
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 13B
UniProt Synonym Protein Names	B lymphocyte stimulator; BLyS; B-cell-activating factor; BAFF; Dendritic cell-derived TNF-like molecule; TNF- and APOL-related leukocyte expressed ligand 1; TALL-1; CD_antigen: CD257Cleaved into the following 2 chains:Tumor necrosis factor ligand superfamily member 13b, membrane form; Tumor necrosis factor ligand superfamily member 13b, soluble form
Protein Family	Tumor necrosis factor ligand superfamily
UniProt Gene Name	TNFSF13B
UniProt Synonym Gene Names	BAFF; BLYS; TALL1; TNFSF20; ZTNF4; BLyS; TALL-1
UniProt Entry Name	TN13B_HUMAN
NCBI Protein Information	tumor necrosis factor ligand superfamily member 13B; delta BAFF; Delta4 BAFF; B-lymphocyte stimulator; B-cell-activating factor; ApoL related ligand TALL-1; TNF homolog that activates apoptosis; dendritic cell-derived TNF-like molecule; tumor necrosis fac
NCBI Summary for TNFSF13B	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptors TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFFR. This cytokine is expressed in B cell lineage cells, and acts as a potent B cell activator. It has been also shown to play an important role in the proliferation and differentiation of B cells. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Mar 2011]

UniProt Comments for TNFSF13B	BAFF: Cytokine that binds to TNFRSF13B/TACI and TNFRSF17/BCMA. TNFSF13/APRIL binds to the same 2 receptors. Together, they form a 2 ligands -2 receptors pathway involved in the stimulation of B- and T-cell function and the regulation of humoral immunity. A third B-cell specific BAFF-receptor (BAFFR/BR3) promotes the survival of mature B-cells and the B-cell response. Belongs to the tumor necrosis factor family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Apoptosis; Membrane protein, integral; Cell cycle regulation; Cytokine Chromosomal Location of Human Ortholog: 13q32-q34 Cellular Component: extracellular space; perinuclear region of cytoplasm; cytoplasm; plasma membrane; integral to membrane Molecular Function: protein binding; cytokine activity; tumor necrosis factor receptor binding; receptor binding Biological Process: cell proliferation; B cell costimulation; B cell homeostasis; immunoglobulin secretion; T cell costimulation; positive regulation of cell proliferation; positive regulation of germinal center formation; positive regulation of B cell proliferation; immune response; positive regulation of T cell proliferation; signal transduction
Research Articles on TNFSF13B	**1.** Letter: BAFF splice variants area differential expressed, but in a comparable ratio, in healthy controls and myositis patients.
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